BRUHAT BANGALORE MAHANAGARA PALIKE

YELHANKA ZONE ELECTRICAL DIVISION

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"Schedule-B"

Name of Work:-Detailed Modefied Estimate for Maintenance including electrification to connected roads to international Airport Road in Ward no 1,5&7

Sl No	Qty	Description Of Work	Unit	Approved Rates	
				In figures	In words
1	2189	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.3 X 16 + 1 X 25 SQ.MM	Per Mtr	95.00	Rupees Ninety Five Only
2	137	3 X 25 + 1 X 25 + 1 X 16 SQ.MM	Per Mtr	125.00	Rupees One Hundred Twenty Five Only
3	2326	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	Per Mtr	10.00	Rupees Ten Only
4	105	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded Aluminium unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm.	Each	5.00	Rupees Five Only
5	200	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 3.5 core 25 sqmm4 core 16 sqmm	Per Mtr	135.00	Rupees One Hundred Thirty Five Only
6	150	3.5 core 25 sqmm	Per Mtr	175.00	Rupees One Hundred Seventy Five Only
7	250	Labour charges for lying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct.b)25sqmm to 75 sqmm	Per Mtr	10.00	Rupees Ten Only
8	200	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Per Mtr	90.00	Rupees Ninety Only
9	12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	Nos	2900.00	Rupees Two Thousand Nine Hundred Only
10	10	Supplying and Fixing ..... including all Hardware's etc. complete as per the standard technical specification of BESCOM. RCC Clamp	Each	90.00	Rupees Ninety Only
11	24	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps	Each	100.00	Rupees One Hundred Only
12	11	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.f)40-63Amps TPN,	Each	1200.00	Rupees One Thousand Two Hundred Only

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13	238000	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG	Sqcm	0.30	Rupees And Paise Thirty Only
14	19	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	Each	7900.00	Rupees Seven Thousand Nine Hundred Only
15	100	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	Per Mtr	50.00	Rupees Fifty Only
16	48600	Supplying and fixing phylum brand hand plastic sheet 3mm thick with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws	Sqcm	0.20	Rupees And Paise Twenty Only
17	31	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Per Mtr	200.00	Rupees Two Hundred Only
18	12	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	Nos	2200.00	Rupees Two Thousand Two Hundred Only
19	6	Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil	Nos	700.00	Rupees Seven Hundred Only
20	6	Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	Nos	500.00	Rupees Five Hundred Only
21	6	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	Nos	700.00	Rupees Seven Hundred Only
22	3	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	Nos	700.00	Rupees Seven Hundred Only
23	4	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	Days	1500.00	Rupees One Thousand Five Hundred Only
24	82	Laying of UG Cables by trenchless technology by adopting horizontalboring & Drawing of cable including preparation at site With HDPE Pipei) Normal soil 5" bore size	Mtrs	650.00	Rupees Six Hundred Fifty Only
25	1	Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 using 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cm thick vibrated for all works , in foundation, plinth and sills including cost of all materials,labour,HOM of machinery, curring complete as per sepecifications (P-12 It no.4.11)	Cmt	2000.00	Rupees Two Thousand Only
26	100	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.3.5 core 35 sqmm	Mtrs	161.466	Rupees One Hundred Sixty One And Paise Forty Seven Only
27	66	Supplay of 2 Pin Cross Arm with pole clamp, bolt & nuts & washers for RCC Pole - MS	Nos	128.223	Rupees One Hundred Twenty Eight And Paise Twenty Two Only

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28	60	Suspension clamp suitable for insulated Messsenger wire of size 25 to 95Sq mm	Nos	257.2375	Rupees Two Hundred Fifty Seven And Paise Twenty Four Only
29	60	Universal Hook and Bolts & Nuts	Nos	241.4075	Rupees Two Hundred Forty One And Paise Forty One Only
30	12	Dead End Clamp/Anchor Clamp Assembly 16 to 70 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	Nos	158.3	Rupees One Hundred Fifty Eight And Paise Thirty Only
31	60	Erection of Suspension Clamp - 25 to 95 sqmm bare messenger	Nos	91.0225	Rupees Ninety One And Paise Two Only
32	72	Fixing of Universal Hook/Dead end clamp	Nos	91.0225	Rupees Ninety One And Paise Two Only
33	66	Fixing of 2 Pin cross arm with insulator and Braces fixing	Nos	75.984	Rupees Seventy Five And Paise Ninety Eight Only

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I am prepared to take up the above work at rates quoted in the Schedule 'B'

Contractor

EXECUTIVE ENGINEER (ELEC)
BBMP, Yelahanka Zone